



The State of New Hampshire  
*Department of Environmental Services*



AGGREGATED PRECIPITATION DATA for N.H.  
DROUGHT MANAGEMENT AREAS

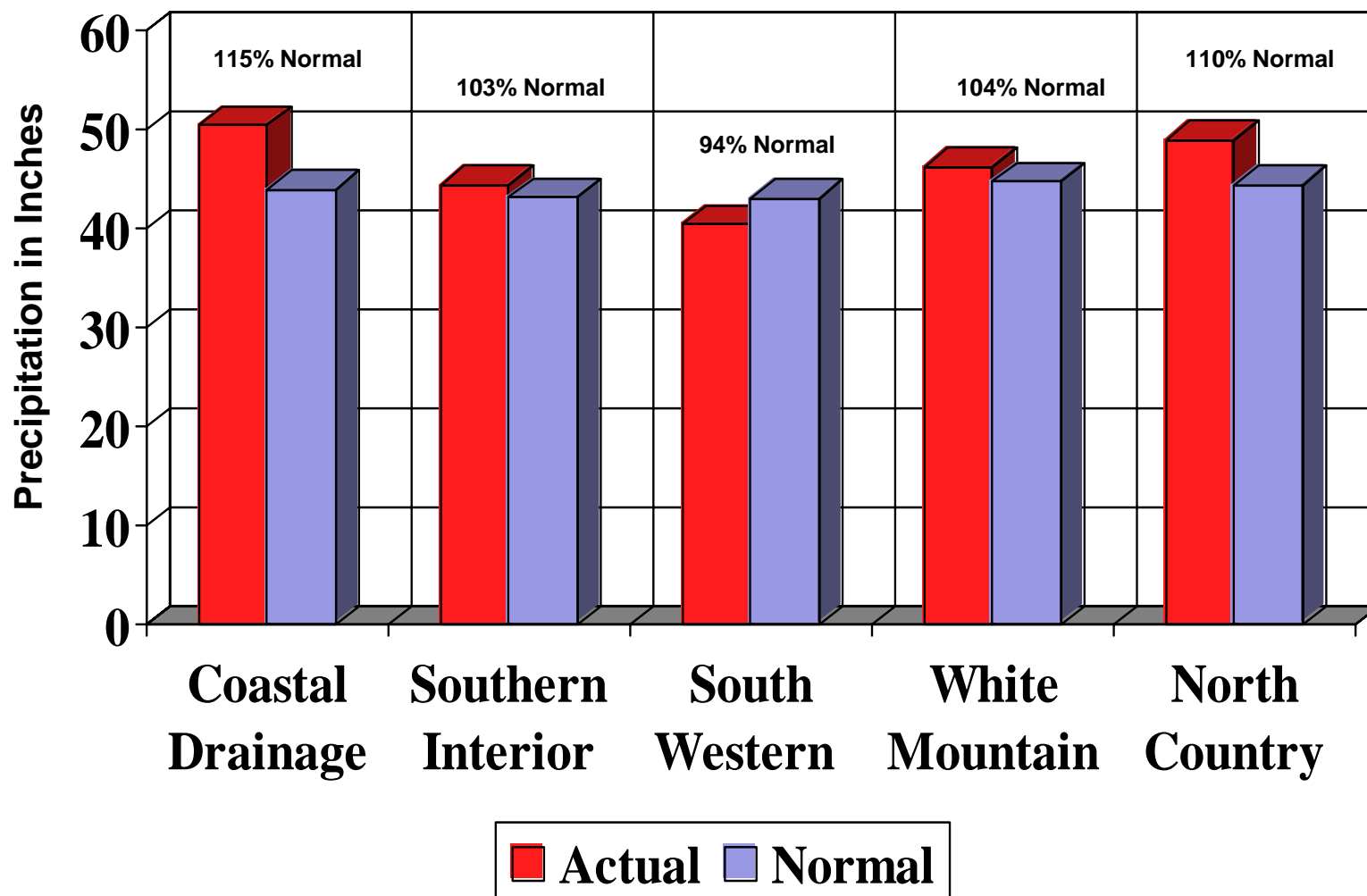
	Actual Rainfall (inches)	Normal Rainfall (inches)	Deviation from Normal (inches)	Percent of Normal
<u>Coastal Drainage:</u> Rockingham, Strafford counties				
four month	16.36	15.35	1.01	107%
six month	23.27	22.86	0.41	102%
nine month	38.44	34.28	4.16	112%
twelve month	50.38	43.94	6.45	115%
<u>Southern Interior:</u> Belknap, Hillsborough, Merrimack counties				
four month	14.34	15.30	-0.96	94%
six month	20.56	22.86	-2.30	90%
nine month	33.63	33.43	0.21	101%
twelve month	44.44	43.11	1.33	103%
<u>South Western:</u> Cheshire, Sullivan counties				
four month	14.49	15.45	-0.97	94%
six month	20.44	23.17	-2.73	88%
nine month	30.59	33.41	-2.83	92%
twelve month	40.47	43.01	-2.55	94%
<u>White Mountain:</u> Carroll, Grafton counties				
four month	17.94	16.86	1.08	106%
six month	24.33	25.16	-0.83	97%
nine month	35.90	35.81	0.09	100%
twelve month	46.27	44.69	1.58	104%
<u>North Country:</u> Coos county				
four month	18.07	17.61	0.46	103%
six month	25.82	26.36	-0.54	98%
nine month	36.26	36.26	2.35	100%
twelve month	48.94	44.42	4.52	110%

four month period : July 2007 - October 2007  
six month period : May 2007 - October 2007  
nine month period : February 2007 - October 2007  
twelve month period: November 2006 - October 2007

Source: Northeast River Forecast Center, NH Des Dam Bureau

**P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095**  
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DES Web site: [www.des.nh.gov](http://www.des.nh.gov)

# TWELVE MONTH AGGREGATED PRECIPITATION DATA for N.H. DROUGHT MANAGEMENT AREAS from November 2006 through October 2007





## MONTHLY PRECIPITATION DATA FOR N.H COUNTIES

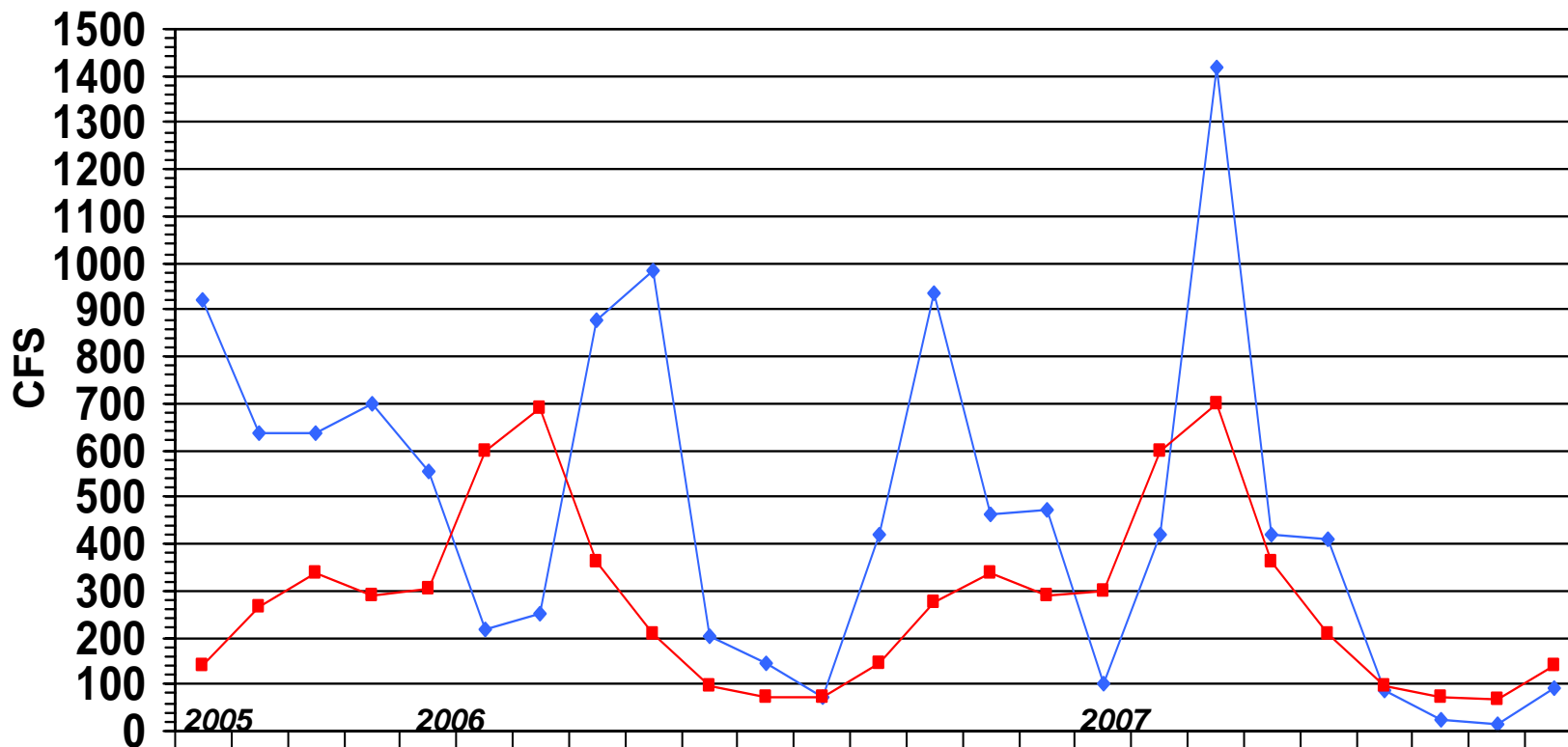
		2006		2007									
		NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT
<u>Coastal drainage</u>													
STRAFFORD	actual	5.53	3.60	3.02	1.59	3.94	9.98	3.39	3.14	7.11	2.44	4.34	4.91
	normal	3.12	3.12	3.12	3.12	4.02	4.39	3.88	3.77	3.75	3.69	3.77	4.39
	deviation	2.41	0.48	-0.10	-1.53	-0.08	5.59	-0.49	-0.63	3.36	-1.25	0.57	0.52
ROCKINGHAM	actual	5.96	2.84	2.94	1.54	4.37	8.92	3.95	3.33	5.15	1.47	2.88	4.42
	normal	3.32	3.32	3.32	3.32	3.86	4.12	3.69	3.68	3.59	3.55	3.76	4.20
	deviation	2.64	-0.48	-0.38	-1.78	0.51	4.80	0.26	-0.35	1.56	-2.08	-0.88	0.22
Average	actual	5.75	3.22	2.98	1.57	4.16	9.45	3.67	3.24	6.13	1.96	3.61	4.67
	normal	3.22	3.22	3.22	3.22	3.94	4.26	3.79	3.73	3.67	3.62	3.77	4.30
	deviation	2.53	0.00	-0.24	-1.66	0.22	5.20	-0.12	-0.49	2.46	-1.67	-0.16	0.37
<u>Southern Interior</u>													
HILLSBOROUGH	actual	5.35	2.59	3.08	1.54	4.17	8.09	3.96	3.18	5.33	0.93	3.30	4.36
	normal	3.60	3.60	3.60	3.60	3.88	3.89	3.81	3.75	3.75	3.78	3.67	4.16
	deviation	1.75	-1.01	-0.52	-2.06	0.29	4.20	0.15	-0.57	1.58	-2.85	-0.37	0.20
MERRIMACK	actual	4.84	3.79	2.93	1.45	3.95	8.53	3.59	2.68	4.83	1.71	3.33	4.59
	normal	3.16	3.16	3.16	3.16	3.51	3.66	3.84	3.66	3.81	3.78	3.52	3.97
	deviation	1.68	0.63	-0.23	-1.71	0.44	4.87	-0.25	-0.98	1.02	-2.07	-0.19	0.62
BELKNAP	actual	4.54	3.26	2.04	1.15	2.84	7.49	2.79	2.47	5.40	2.03	3.39	3.82
	normal	2.92	2.92	2.92	2.92	3.42	3.66	3.82	3.79	4.08	3.84	3.55	4.00
	deviation	1.62	0.34	-0.88	-1.77	-0.58	3.83	-1.03	-1.32	1.32	-1.81	-0.16	-0.18
Average	actual	4.91	3.21	2.68	1.38	3.65	8.04	3.45	2.78	5.19	1.56	3.34	4.26
	normal	3.23	3.23	3.23	3.23	3.60	3.74	3.82	3.73	3.88	3.80	3.58	4.04
	deviation	1.68	-0.01	-0.54	-1.85	0.05	4.30	-0.38	-0.96	1.31	-2.24	-0.24	0.21
<u>South Western</u>													
CHESHIRE	actual	3.91	2.39	2.91	1.22	2.77	5.49	2.66	2.94	4.49	1.52	3.20	4.17
	normal	3.28	3.28	3.28	3.28	3.60	3.64	3.97	3.81	4.03	4.05	3.57	3.82
	deviation	0.63	-0.89	-0.37	-2.06	-0.83	1.85	-1.31	-0.87	0.46	-2.53	-0.37	0.35
SULLIVAN	actual	4.44	2.87	3.24	1.64	2.94	6.23	3.02	3.29	5.50	1.77	3.09	5.23
	normal	3.12	3.12	3.12	3.12	3.33	3.52	3.90	3.75	4.00	3.93	3.63	3.87
	deviation	1.32	-0.25	0.12	-1.48	-0.39	2.71	-0.88	-0.46	1.50	-2.16	-0.54	1.36
Average	actual	4.18	2.63	3.08	1.43	2.86	5.86	2.84	3.12	5.00	1.65	3.15	4.70
	normal	3.20	3.20	3.20	3.20	3.47	3.58	3.94	3.78	4.02	3.99	3.60	3.85
	deviation	0.98	-0.57	-0.13	-1.77	-0.61	2.28	-1.10	-0.67	0.98	-2.35	-0.46	0.86
<u>White Mountain</u>													
GRAFTON	actual	3.81	3.68	2.55	2.18	3.29	5.13	3.24	3.08	5.67	3.41	3.69	5.60
	normal	2.92	2.92	2.92	2.92	3.60	3.73	4.01	4.26	4.34	4.42	4.05	4.19
	deviation	0.89	0.76	-0.37	-0.74	-0.31	1.40	-0.77	-1.18	1.33	-1.01	-0.36	1.41
CARROLL	actual	5.08	3.30	2.31	1.58	2.86	8.10	3.24	3.23	6.35	3.15	3.18	4.82
	normal	3.00	3.00	3.00	3.00	4.01	4.05	4.19	4.14	4.25	4.21	3.88	4.37
	deviation	2.08	0.30	-0.69	-1.42	-1.15	4.05	-0.95	-0.91	2.10	-1.06	-0.70	0.45
Average	actual	4.45	3.49	2.43	1.88	3.08	6.62	3.24	3.16	6.01	3.28	3.44	5.21
	normal	2.96	2.96	2.96	2.96	3.81	3.89	4.10	4.20	4.30	4.32	3.97	4.28
	deviation	1.49	0.53	-0.53	-1.08	-0.73	2.73	-0.86	-1.05	1.72	-1.04	-0.53	0.93
<u>North Country</u>													
COOS	actual	3.23	3.93	3.17	2.58	3.63	6.58	4.25	3.50	4.63	4.88	3.30	5.26
	normal	2.72	2.72	2.72	2.72	3.57	3.61	4.14	4.61	4.53	4.70	4.25	4.13
	deviation	0.51	1.21	0.45	-0.14	0.06	2.97	0.11	-1.11	0.10	0.18	-0.95	1.13

# LAMPREY RIVER near NEWMARKET NH

## Gage# 01073500



### MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



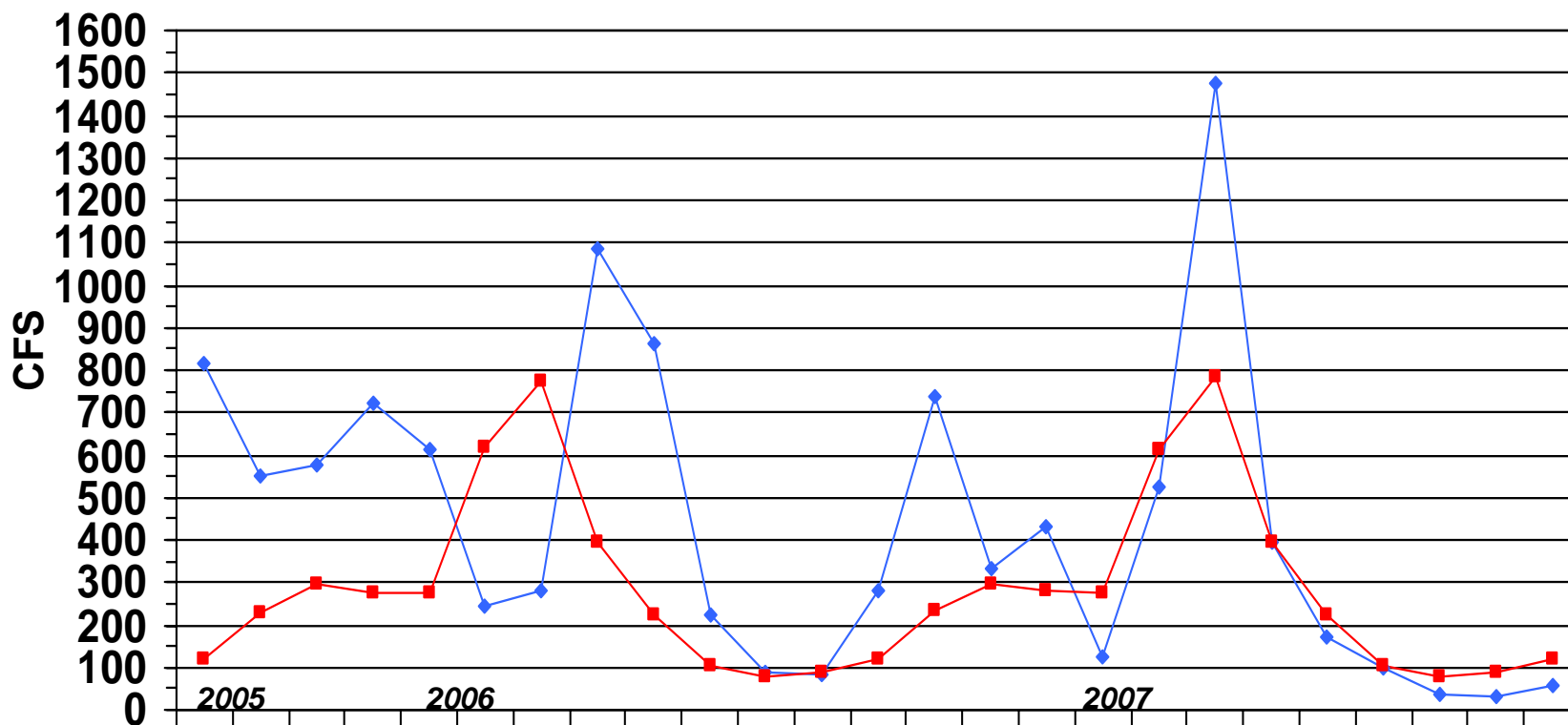
	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct
Monthly Mean Flow	923	638	639	700	555	217	252	876	982	201	146	73	419	935	462	475	100	422	1418	422	409	89	24	13	91
Mean of Monthly Flow s	139	264	337	288	304	598	690	363	206	95	71	70	143	274	338	290	301	596	700	363	209	95	70	69	142
% of Normal	664%	242%	190%	243%	183%	36%	37%	241%	477%	212%	206%	104%	293%	341%	137%	164%	33%	71%	203%	116%	195%	93%	34%	19%	64%

# SOUHEGAN RIVER at MERRIMACK NH

Gage# 01094000



## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

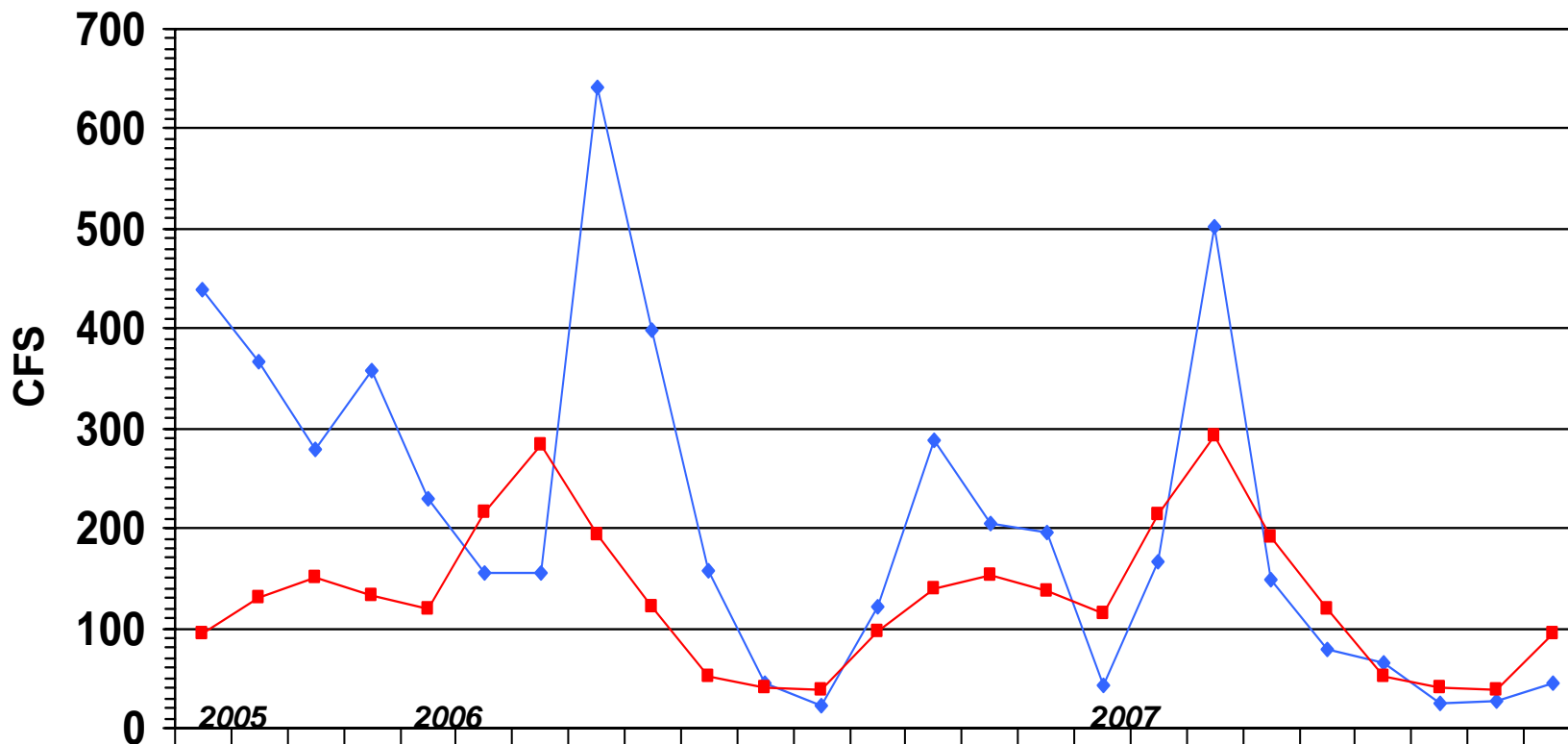


	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct
Monthly Mean Flow	814	551	579	721	611	244	281	1085	860	223	90	84	278	738	330	429	127	524	1474	397	171	98	34	33	58
Mean of Monthly Flows	118	228	296	276	275	616	773	395	224	103	78	88	120	235	296	278	273	615	782	395	223	103	77	88	119
% of Normal	690%	242%	196%	261%	222%	40%	35%	275%	384%	217%	115%	95%	232%	314%	111%	154%	46%	85%	188%	100%	77%	95%	44%	38%	48%

# SOUCOOK RIVER at PEMBROKE ROAD near CONCORD NH, Gage# 01089100



## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



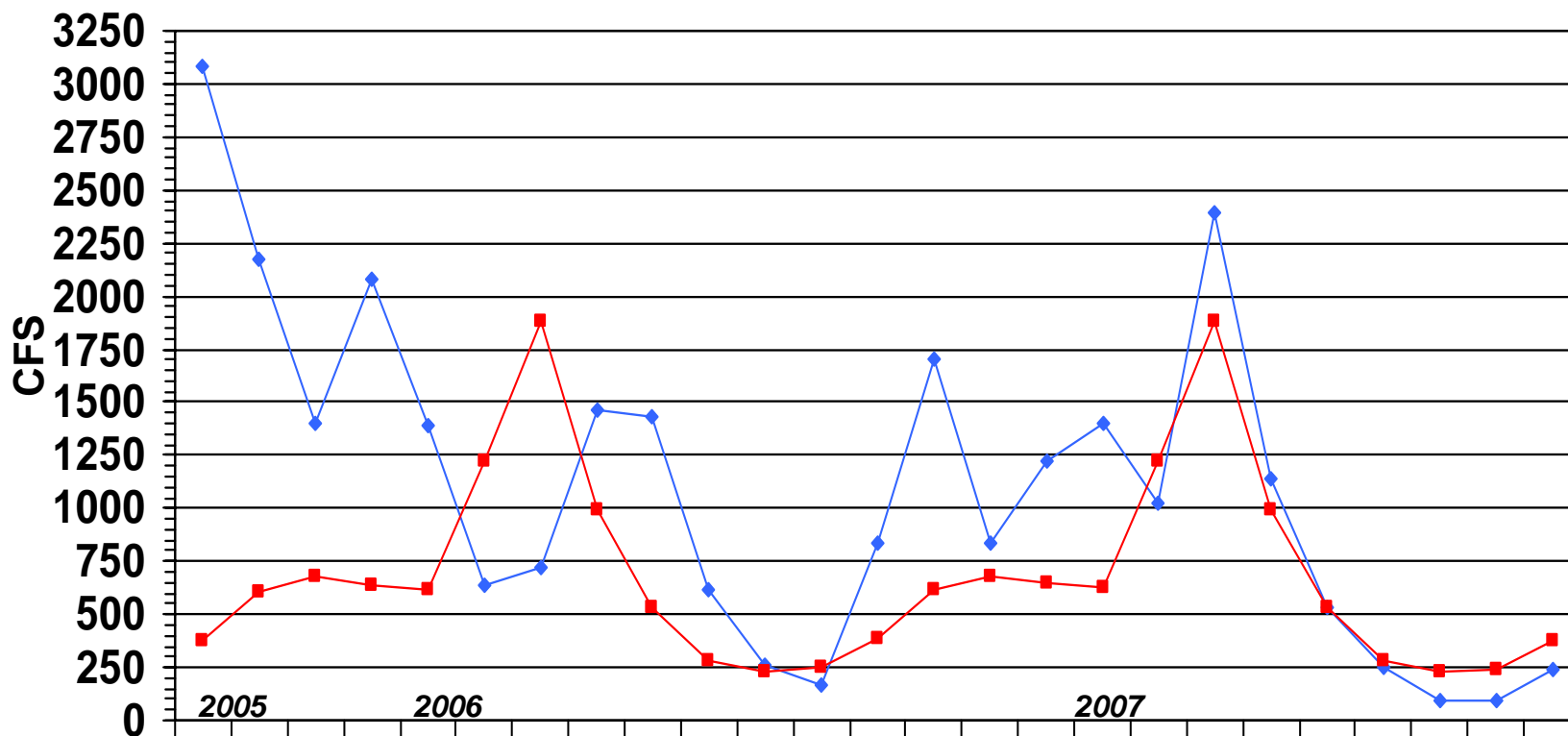
	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct
Monthly Mean Flow	438	368	280	359	229	155	155	642	399	157	44	23	122	289	204	195	42	166	501	148	78	66	25	26	45
Mean of Monthly Flow s	95	131	150	133	119	216	283	194	122	51	41	38	96	140	153	137	115	213	293	192	119	51	40	38	94
% of Normal	461%	281%	187%	270%	192%	72%	55%	331%	327%	308%	107%	61%	127%	206%	133%	142%	37%	78%	171%	77%	66%	129%	62%	68%	48%

# ASHUELOT RIVER at HINSDALE NH

Gage# 01161000



## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



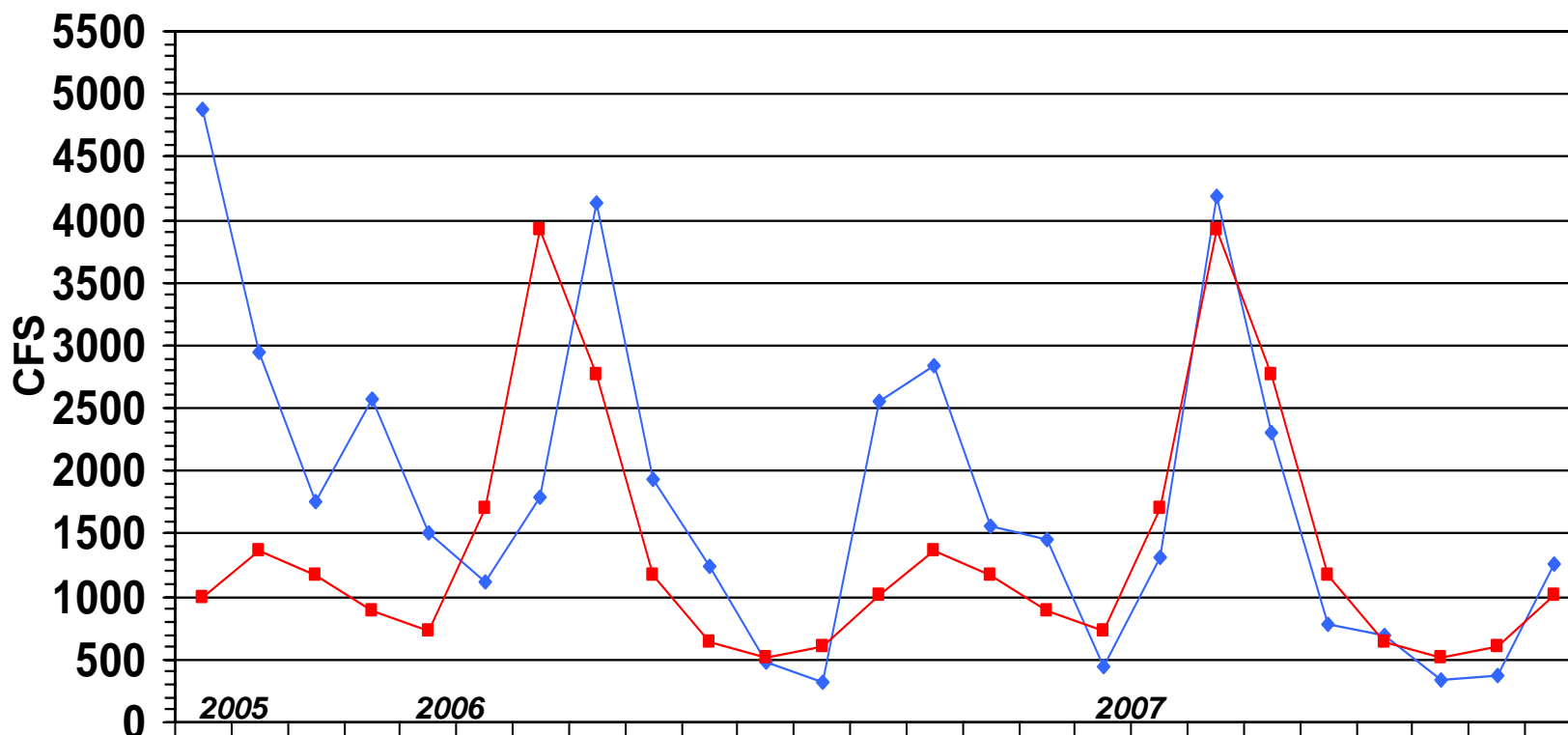
	2005			2006			2007																		
	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct
Monthly Mean Flow	3088	2171	1396	2082	1385	642	718	1459	1434	615	262	170	838	1702	833	1220	1404	1025	2393	1142	536	252	96	99	244
Mean of Monthly Flows	378	610	683	640	618	1226	1876	996	534	283	230	247	383	621	684	646	626	1224	1881	997	534	282	229	245	381
% of Normal	817%	356%	204%	325%	224%	52%	38%	146%	269%	217%	114%	69%	219%	274%	122%	189%	224%	84%	127%	115%	100%	89%	42%	40%	62%

# PEMIGEWASSET RIVER at PLYMOUTH NH

**Gage# 01076500**



## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



	2005			2006									2007												
	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct
◆ Monthly Mean Flow	4878	2948	1761	2578	1500	1118	1789	4130	1941	1235	471	311	2550	2833	1569	1452	451	1318	4191	2308	773	687	340	381	1251
■ Mean of Monthly Flow s	1002	1358	1167	886	733	1712	3920	2767	1167	643	514	600	1017	1372	1171	892	730	1709	3923	2762	1163	643	512	598	1019
% of Normal	487%	217%	151%	291%	205%	65%	46%	149%	166%	192%	92%	52%	251%	206%	137%	163%	62%	77%	107%	84%	66%	107%	66%	64%	123%



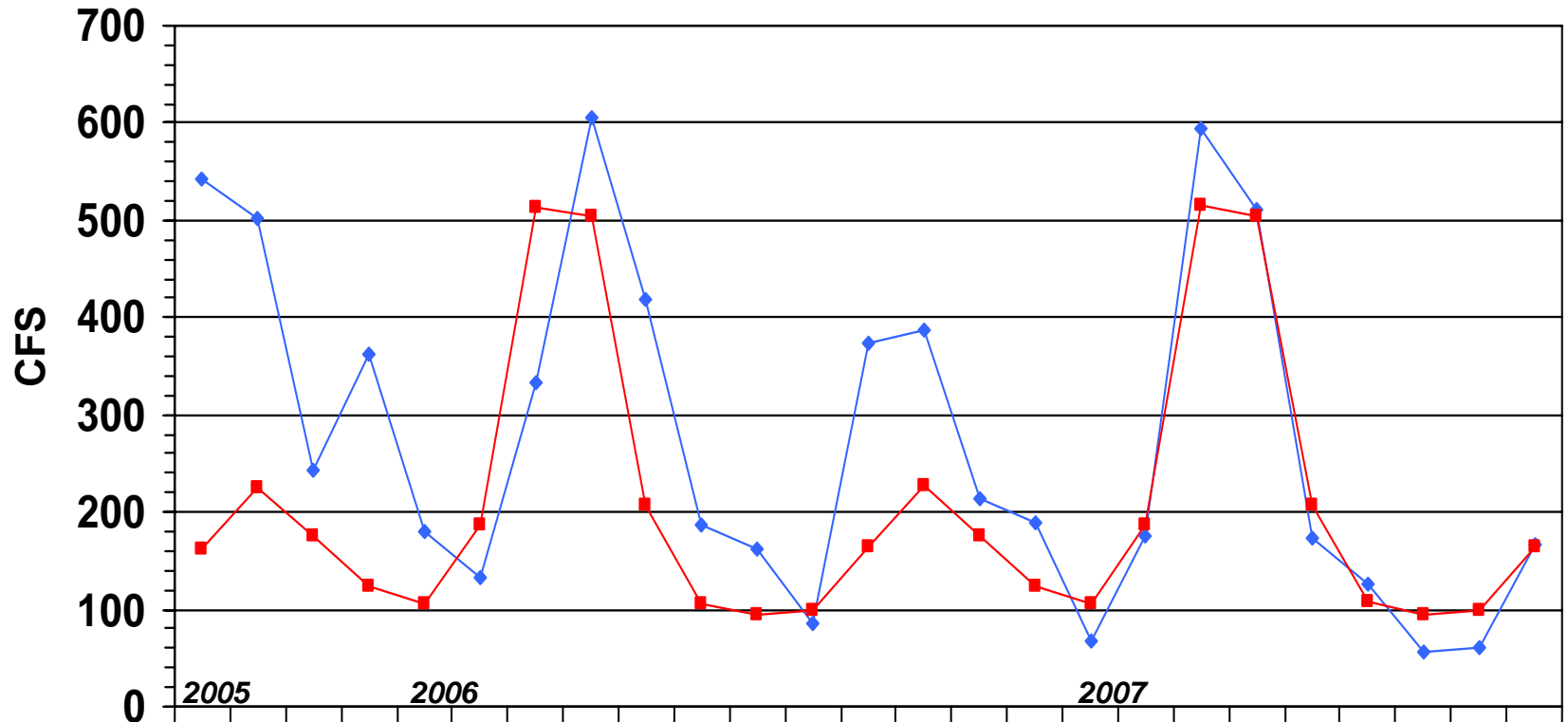
# AMMONOOSUC RIVER at BETHLEHEM JUNCTION NH

**Gage# 01137500**



## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

This station replaces gage# 01137000 which was discontinued by DES at the end of Sept 2004



	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct
Monthly Mean Flow	542	502	243	363	180	133	334	605	418	186	161	85	373	388	214	189	67	176	595	510	173	125	56	60	166
Mean of Monthly Flow s	162	225	175	123	106	187	514	504	207	106	94	100	165	227	176	124	105	187	515	504	207	107	94	99	165
% of Normal	335%	223%	139%	295%	170%	71%	65%	120%	202%	175%	171%	85%	227%	171%	122%	152%	65%	94%	115%	101%	84%	117%	59%	61%	101%

# STREAMFLOW DATA FOR SELECTED NH STATIONS AS OF NOVEMBER 5, 2007



Station number	Station name	Est. Mean Flow (cfs)	Long Term Median Flow	99% Flow (cfs)	7Q10 Flow (cfs)	Lowest Period of Record Daily Flow (cfs)	% of Median	Below 0.99 Flow?	Below 7Q10 Flow?	Below Record Flow?
<b>Androscoggin River Basin</b>										
01052500	Diamond River near Wentworth Location, NH	219	288	22	16	6.8	76%	FALSE	FALSE	FALSE
01053500	Androscoggin River at Errol, NH	1,560	1,440	500	451	0	108%	FALSE	FALSE	FALSE
01054000	Androscoggin River near Gorham, NH	1,650	1,940	1300	1310	795	85%	FALSE	FALSE	FALSE
<b>Saco River Basin</b>										
01064500	Saco River near Conway, NH	363	635	105	97	66	57%	FALSE	FALSE	FALSE
01064801	BEARCAMP RIVER AT SOUTH TAMWORTH, NH	50	133	6	4.8	4.5	38%	FALSE	FALSE	FALSE
<b>Piscataqua River Basin</b>										
01072800	COCHECO RIVER NEAR ROCHESTER, NH	107	137 --	--		2.2	78%	#VALUE!	#VALUE!	FALSE
01073500	LAMPREY RIVER NEAR NEWMARKET, NH	152	124	7	5 --		123%	FALSE	FALSE	#VALUE!
<b>Merrimack River Basin</b>										
01074520	EAST BRANCH PEMIGEWASSET RIVER AT LINCOLN, NH	256	259		49	46	99%	FALSE	FALSE	FALSE
01075000	PEMIGEWASSET RIVER AT WOODSTOCK, NH	346	504		56 --		69%	FALSE	FALSE	
01076000	BAKER RIVER NEAR RUMNEY, NH	193	170		15 --		114%	FALSE	FALSE	
01076500	PEMIGEWASSET RIVER AT PLYMOUTH, NH	815	848		118	45	96%	FALSE	FALSE	FALSE
01078000	SMITH RIVER NEAR BRISTOL, NH	65	76		6.2	2.7	86%	FALSE	FALSE	FALSE
01081000	WINNIPESAUKEE RIVER AT TILTON, NH	325	378		136	48	86%	FALSE	FALSE	FALSE
01081500	MERRIMACK RIVER AT FRANKLIN JUNCTION, NH	1,690	1,810		551 --		93%		FALSE	
01082000	CONTOOCOOK RIVER AT PETERBOROUGH, NH	52	49		6.3 --		106%	FALSE	FALSE	
01085000	CONTOOCOOK RIVER NEAR HENNIKER, NH	377 ---			37 --			FALSE	FALSE	
01085500	CONTOOCOOK R BL HOPKINTON DAM AT W HOPKINTON, NH	214	328		39 --		65%	FALSE	FALSE	
01086000	WARNER RIVER AT DAVISVILLE, NH	59	89		5.3 --		66%	FALSE	FALSE	
01087000	BLACKWATER RIVER NEAR WEBSTER, NH	102 ---			13.7 --			FALSE	FALSE	
01090800	PISCATAQUOG RIVER BL EVERETT DAM, NR E WEARE, NH	51 ---			1.2 --			FALSE	FALSE	
01091500	PISCATAQUOG RIVER NEAR GOFFSTOWN, NH	83 ---			8.8 --			FALSE	FALSE	
01092000	MERRIMACK R NR GOFFS FALLS, BELOW MANCHESTER, NH	2,920	3,240		644	98*	90%		FALSE	
01094000	SOUHEGAN RIVER AT MERRIMACK, NH	91	91		12.9 --		100%	FALSE	FALSE	
<b>Connecticut River Basin</b>										
01129200	CONNECTICUT R BELOW INDIAN STREAM NR PITTSBURG, NH	279	537		42	30	52%	FALSE	FALSE	FALSE
01129500	CONNECTICUT RIVER AT NORTH STRATFORD, NH	1,040	1,510		176	108	69%	FALSE	FALSE	FALSE
01131500	CONNECTICUT RIVER NEAR DALTON, NH	2,230	2,540		389	115	88%	FALSE	FALSE	FALSE
01137500	AMMONOOSUC RIVER AT BETHLEHEM JUNCTION, NH	107	173		28	21	62%	FALSE	FALSE	FALSE
01138500	CONNECTICUT RIVER AT WELLS RIVER, VT	2,750	4,190		690	152*	66%		FALSE	
01144500	CONNECTICUT RIVER AT WEST LEBANON, NH	1,810	5,440	380*	902	82*	33%		FALSE	
01152500	SUGAR RIVER AT WEST CLAREMONT, NH	273	206	40	38	14	133%	FALSE	FALSE	FALSE
01154500	CONNECTICUT RIVER AT NORTH WALPOLE, NH	6,420	7,330	260*	1058	115*	88%		FALSE	
01158000	ASHUELOT RIVER BELOW SURRY MT DAM, NEAR KEENE, NH	77	94	4.5	2.7	0.4	82%	FALSE	FALSE	FALSE
01158600	OTTER BROOK BELOW OTTER BROOK DAM, NEAR KEENE, NH	32	38	1.6	1.1	0.3	84%	FALSE	FALSE	FALSE
01160350	ASHUELOT RIVER AT WEST SWANZEY, NH	305	377	32 --	--		81%	FALSE		

\*Flow duration and record low mean daily flow significantly affected by reservoir operations

\*\*Estimated

Source: USGS, NH DES

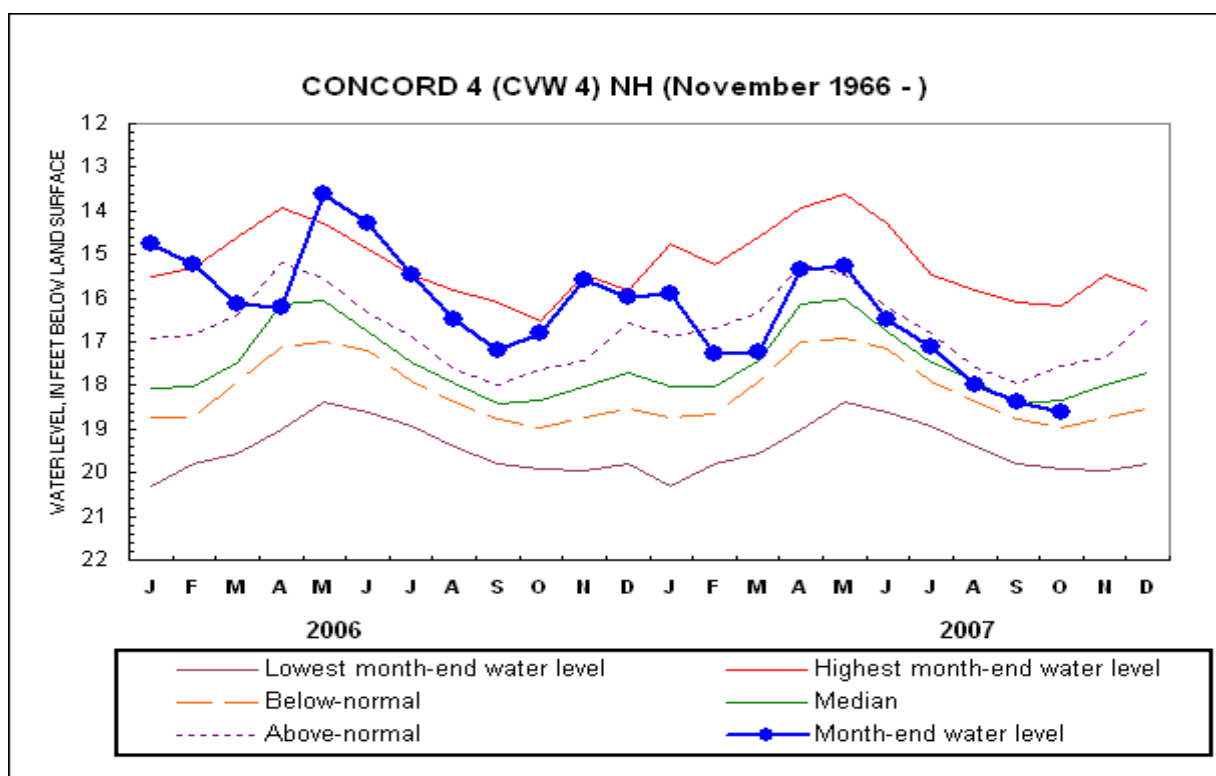
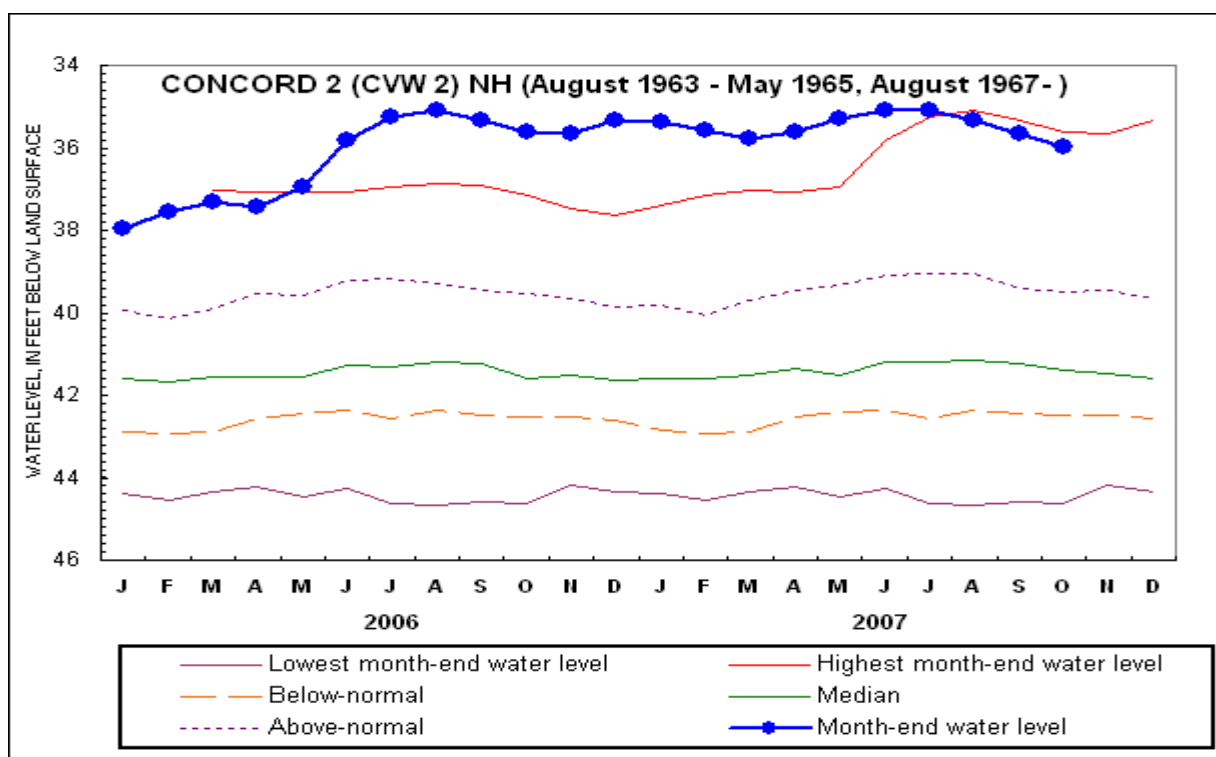
SUMMARY	Below 0.99 Flow?	Below 7Q10 Flow?	Below Record Flow?
FALSE =	28	32	17
TRUE =	0	0	0

## New Hampshire Groundwater Levels for October 2007



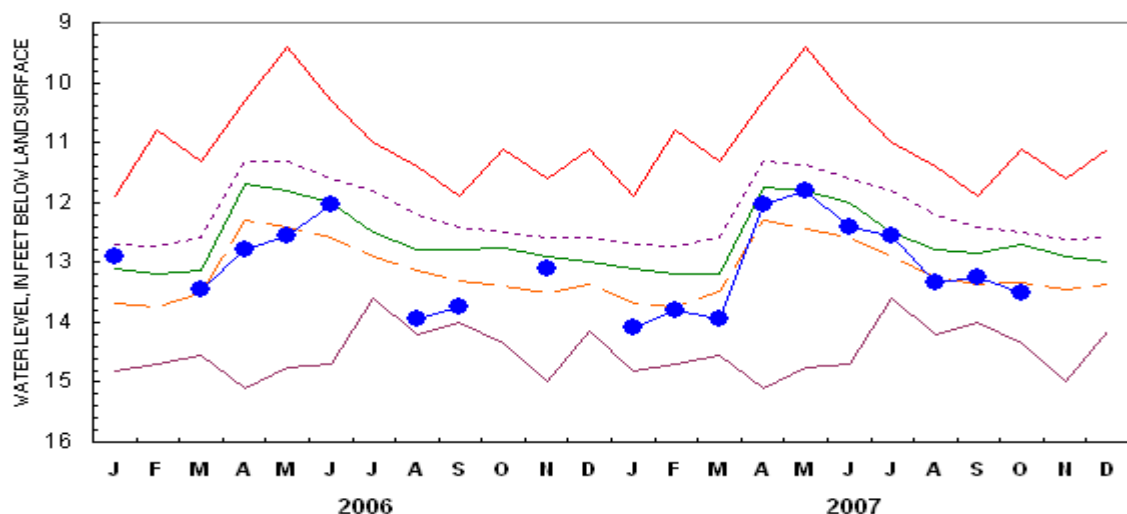
WELL	START OF WATER LEVEL BELOW		NET CHANGE		NET CHANGE		DEPARTURE FROM		PERCENT OF	
	RECORD	SURFACE DATUM (ft)	IN ONE MONTH (ft)	IN ONE YEAR (ft)	MEDIAN	RANGE (ft)	MONTHLY MEDIAN (FT)	RANGE	STATUS	
ALBANY 14	1995	7.21	+0.38	-0.80	6.41	1.09	-0.80	-73.4	BELOW NORMAL	
ALBANY 15	1995	9.07	+0.39	-0.98	8.09	1.20	-0.98	-81.7	NORMAL	
BARNSTEAD 10	1995	2.98	+0.24	-0.20	3.05	1.06	+0.07	6.6	NORMAL	
CAMPTON 34	1988	13.55	+0.55	-0.82	12.81	1.23	-0.74	-60.2	NORMAL	
COLEBROOK 73	1995	7.72	-0.67	-0.56	7.35	0.75	-0.37	-49.3	ABOVE NORMAL	
CONCORD 2	1963	35.98	-0.33	-0.35	41.40	5.77	+5.42	93.9	NORMAL	
CONCORD 4	1966	18.62	-0.23	-1.83	18.33	1.57	-0.29	-18.5	NORMAL	
DEERFIELD 46	1984	39.22	-0.20	-0.47	39.05	0.72	-0.17	-23.6	NORMAL	
ENFIELD 30	1990	7.58	+0.40	-5.37	7.36	2.44	-0.22	-9.0	NORMAL	
ERROL 1	1966	13.5	-0.2	---	12.7	1.7	-0.8	-48.5	BELOW NORMAL	
FRANKLIN 1	1966	12.85	-0.59	-2.45	13.38	4.02	+0.53	13.2	NORMAL	
GREENFIELD 75	1995	60.47	-0.83	-1.33	61.57	2.43	+1.10	45.3	ABOVE NORMAL	
HOOKSETT 5	1965	50.38	-0.35	-1.69	49.40	1.72	-0.98	-57.0	BELOW NORMAL	
KEENE 2	1963	3.11	+1.09	-0.34	4.06	3.49	+0.95	27.2	ABOVE NORMAL	
LANCASTER 1	1966	2.10	+0.30	-0.40	2.03	0.54	-0.07	-13.0	NORMAL	
LEE 1	1953	31.09	+0.11	-0.58	31.45	1.59	+0.36	22.6	NORMAL	
LISBON 19	1990	13.04	+1.59	+0.10	13.47	1.86	+0.43	23.1	ABOVE NORMAL	
NASHUA 218	1964	28.67	-0.42	-0.43	28.67	4.01	+0.00	0.0	NORMAL	
NEW DURHAM 53	1986	19.77	+0.26	-0.51	19.29	1.21	-0.48	-39.7	NORMAL	
NEW LONDON 1	1947	12.36	+0.75	-4.13	13.53	10.91	+1.17	10.7	NORMAL	
NEWPORT 3	1995	7.15	+0.41	-1.53	6.31	1.06	-0.84	-79.2	BELOW NORMAL	
NEWPORT 6	1995	7.25	+0.42	-1.54	6.40	1.06	-0.85	-80.2	BELOW NORMAL	
OSSIPEE 38	1995	35.67	-0.08	-0.76	35.93	1.96	+0.26	13.3	NORMAL	
SHELBURNE 2	1995	5.74	+0.35	-1.70	4.37	1.03	-1.37	-133.0	BELOW NORMAL	
WARNER 1	1965	31.35	-0.27	-1.29	31.56	3.78	+0.21	5.6	NORMAL	

Source: USGS, NH DES



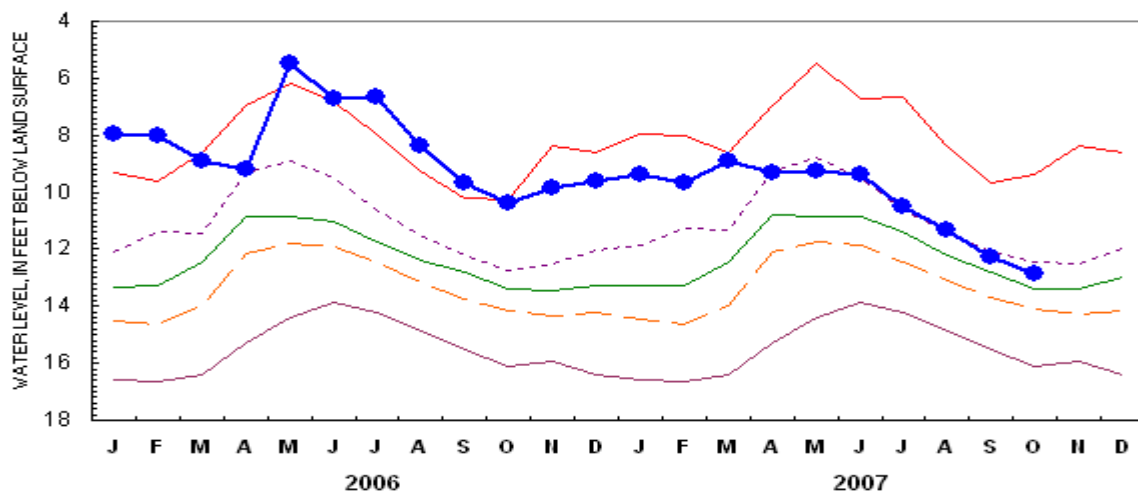
Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2003 are provisional and subject to revision.

**ERROL 1 (ETW 1) NH (November 1966 - )**



— Lowest month-end water level      — Highest month-end water level  
 - - Below-normal      — Median  
 - - Above-normal      ● Month-end water level

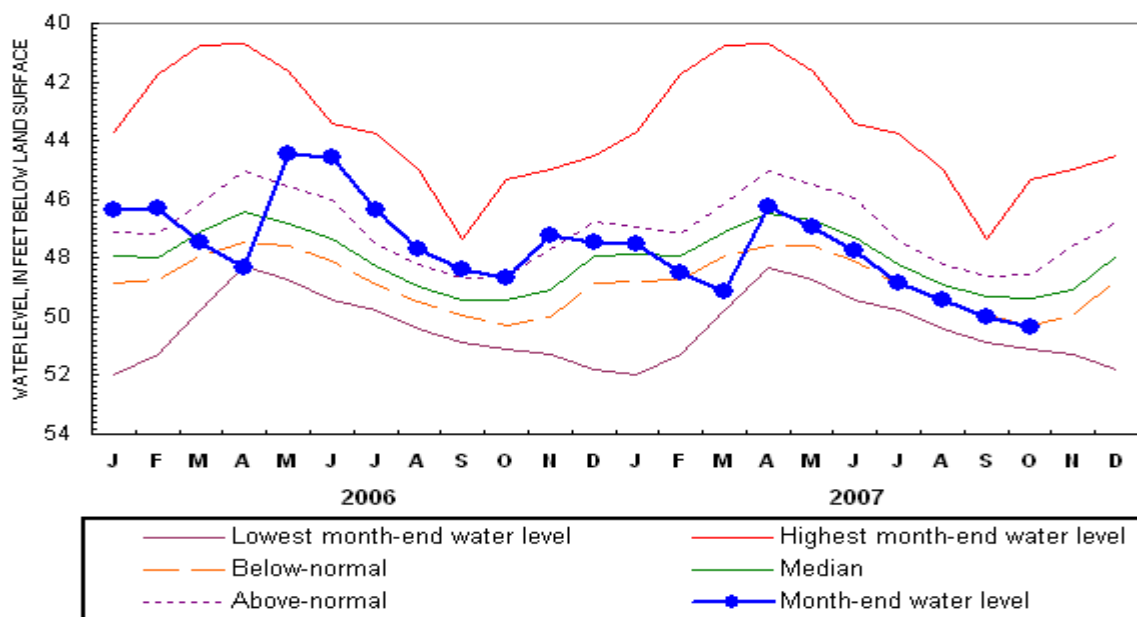
**FRANKLIN 1 (FKW 1) NH (October 1966 - )**



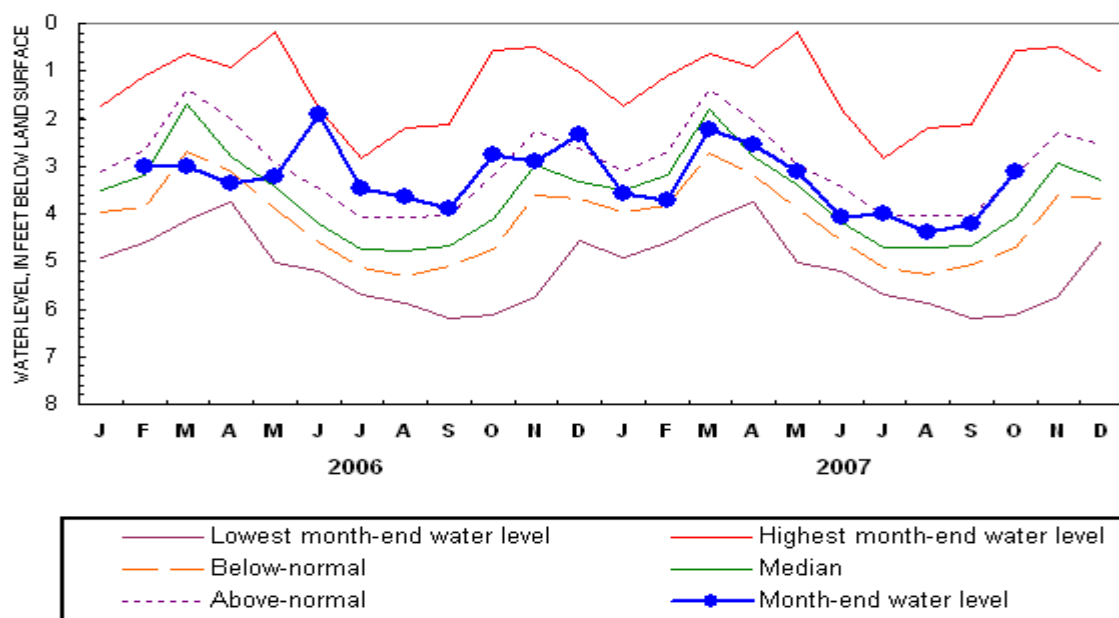
— Lowest month-end water level      — Highest month-end water level  
 - - Below-normal      — Median  
 - - Above-normal      ● Month-end water level

Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
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### HOOKSETT 5 (HTW 5) NH (April 1965 - )

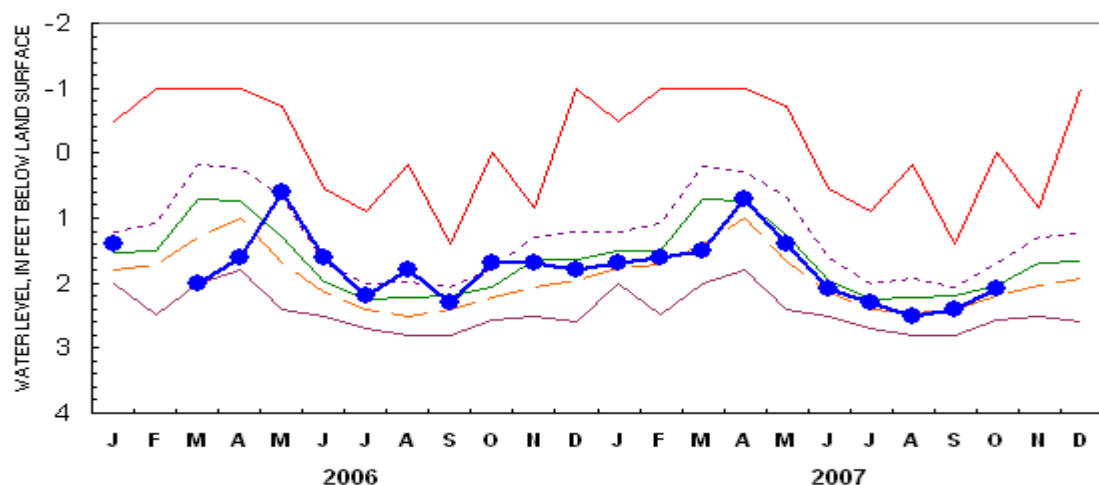


### KEENE 2 (KEW 2) NH (August 1963 - )



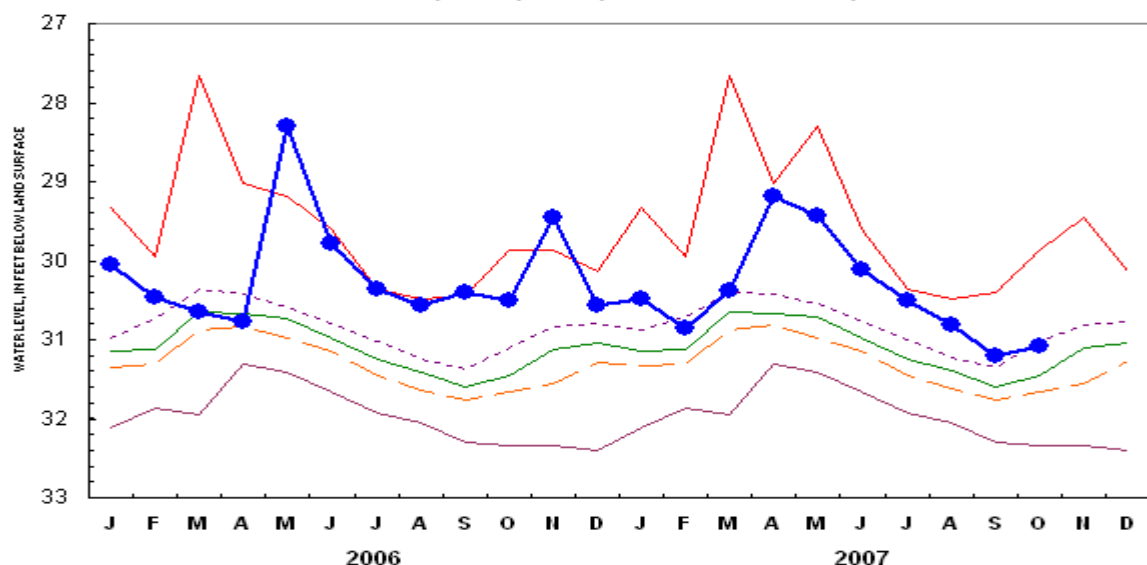
Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
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# LANCASTER 1 (LCW 1) NH (November 1966 - May 1980, April 1981)



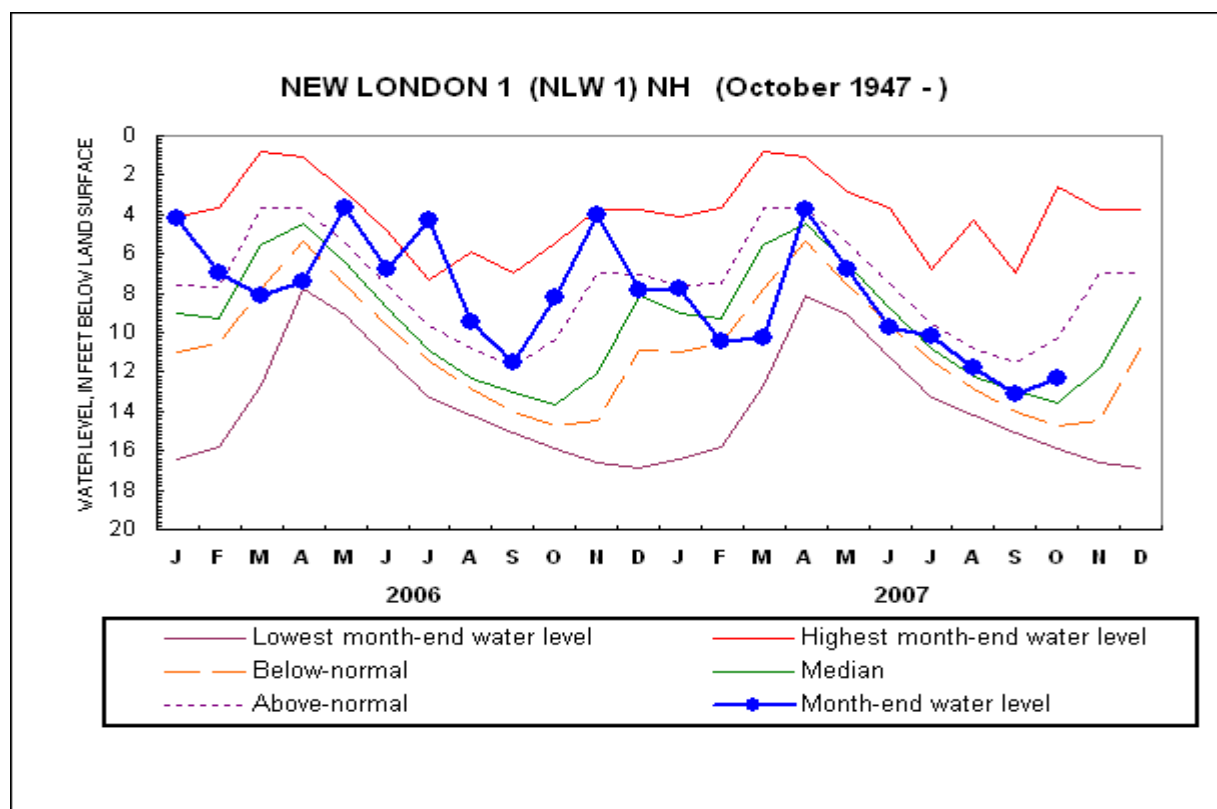
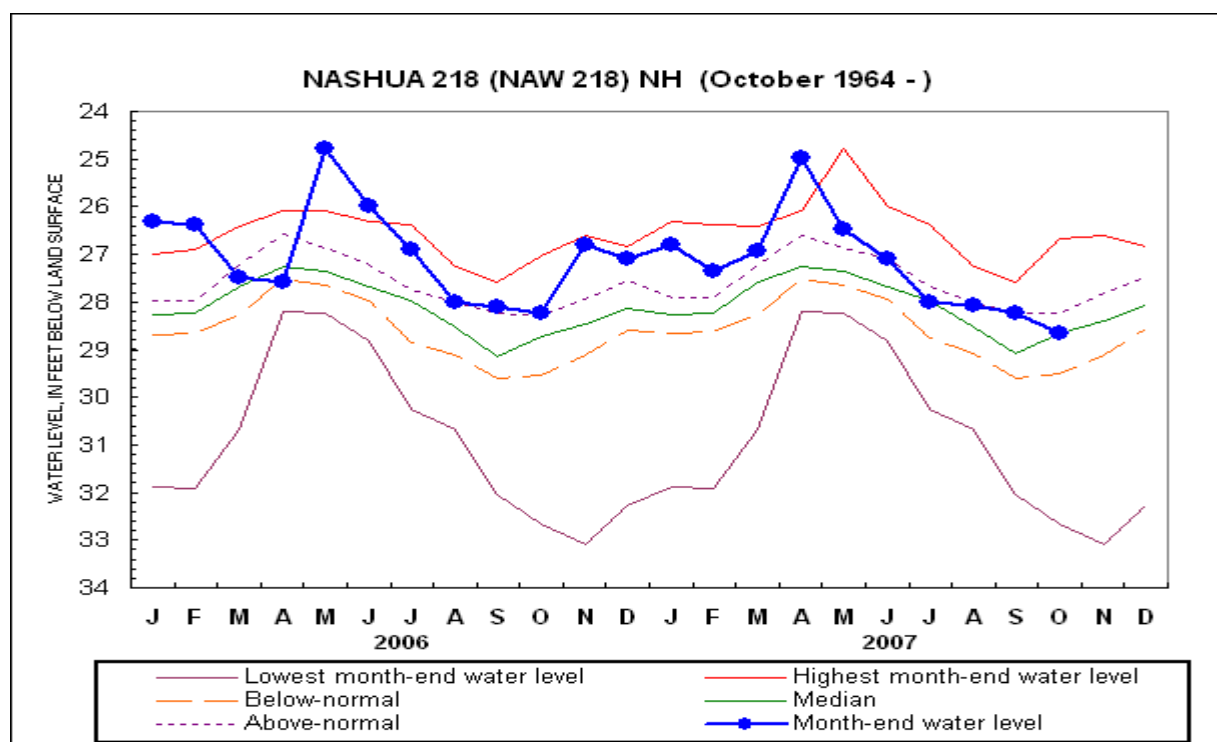
— Lowest month-end water level      — Highest month-end water level  
 - - Below-normal      — Median  
 - - Above-normal      —●— Month-end water level

# LEE 1 (LIW 1) NH (November 1953 - )



— Lowest month-end water level      — Highest month-end water level  
 - - Below-normal      — Median  
 - - Above-normal      —●— Month-end water level

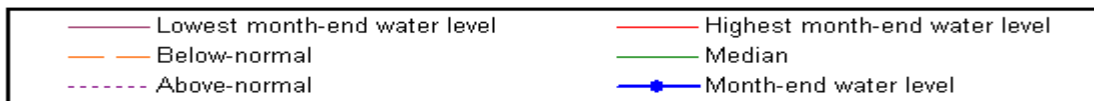
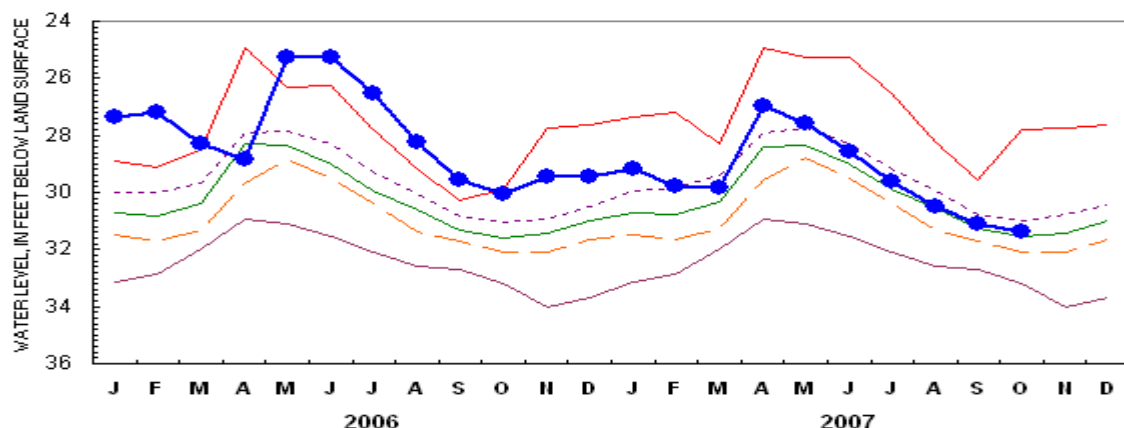
Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
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 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2003 are provisional and subject to revision.



# WARNER 1 (WCW 1) NH (December 1965 - )

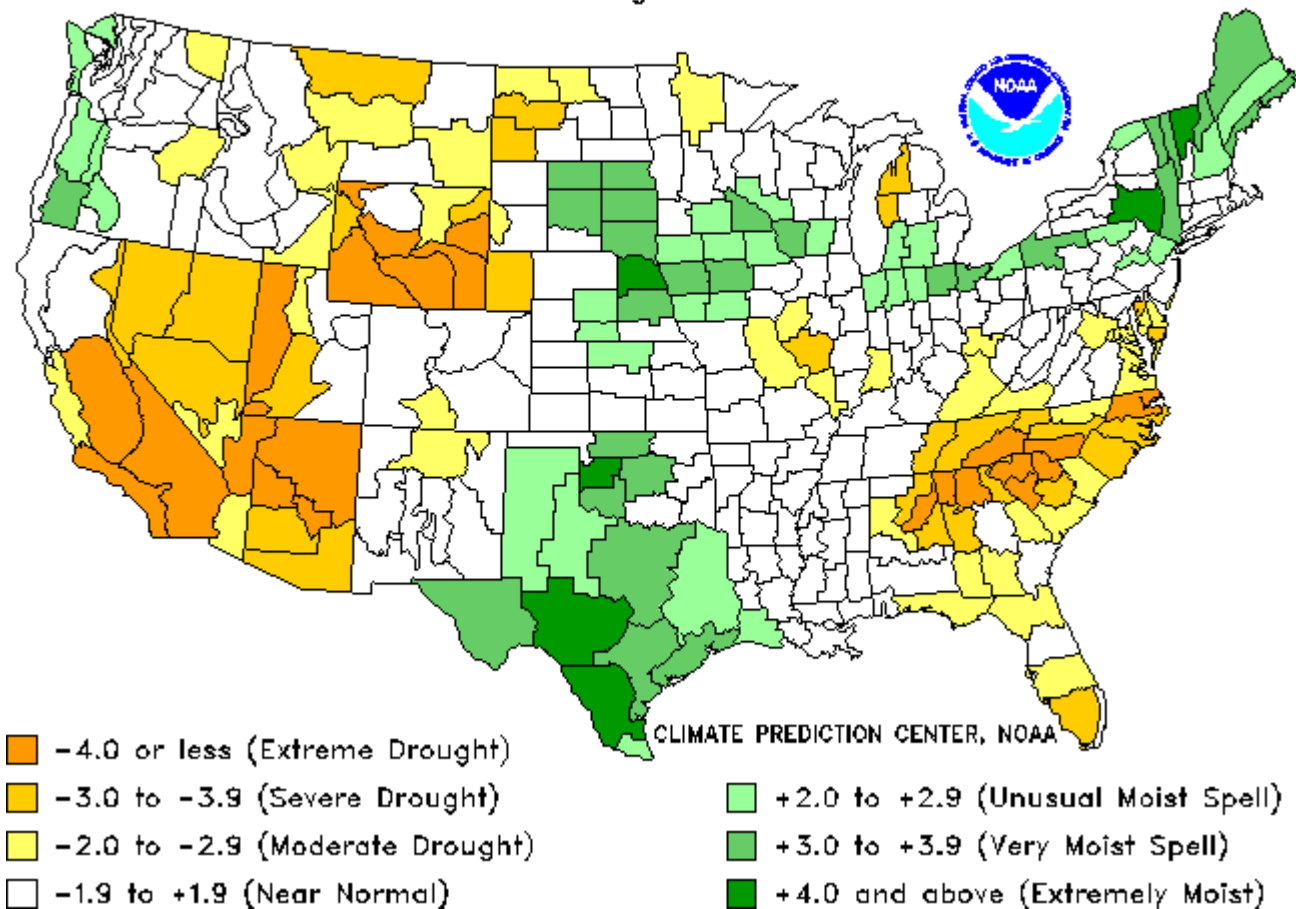


Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2003 are provisional and subject to revision.

## Drought Severity Index by Division

Weekly Value for Period Ending 24 NOV 2007

Long Term Palmer



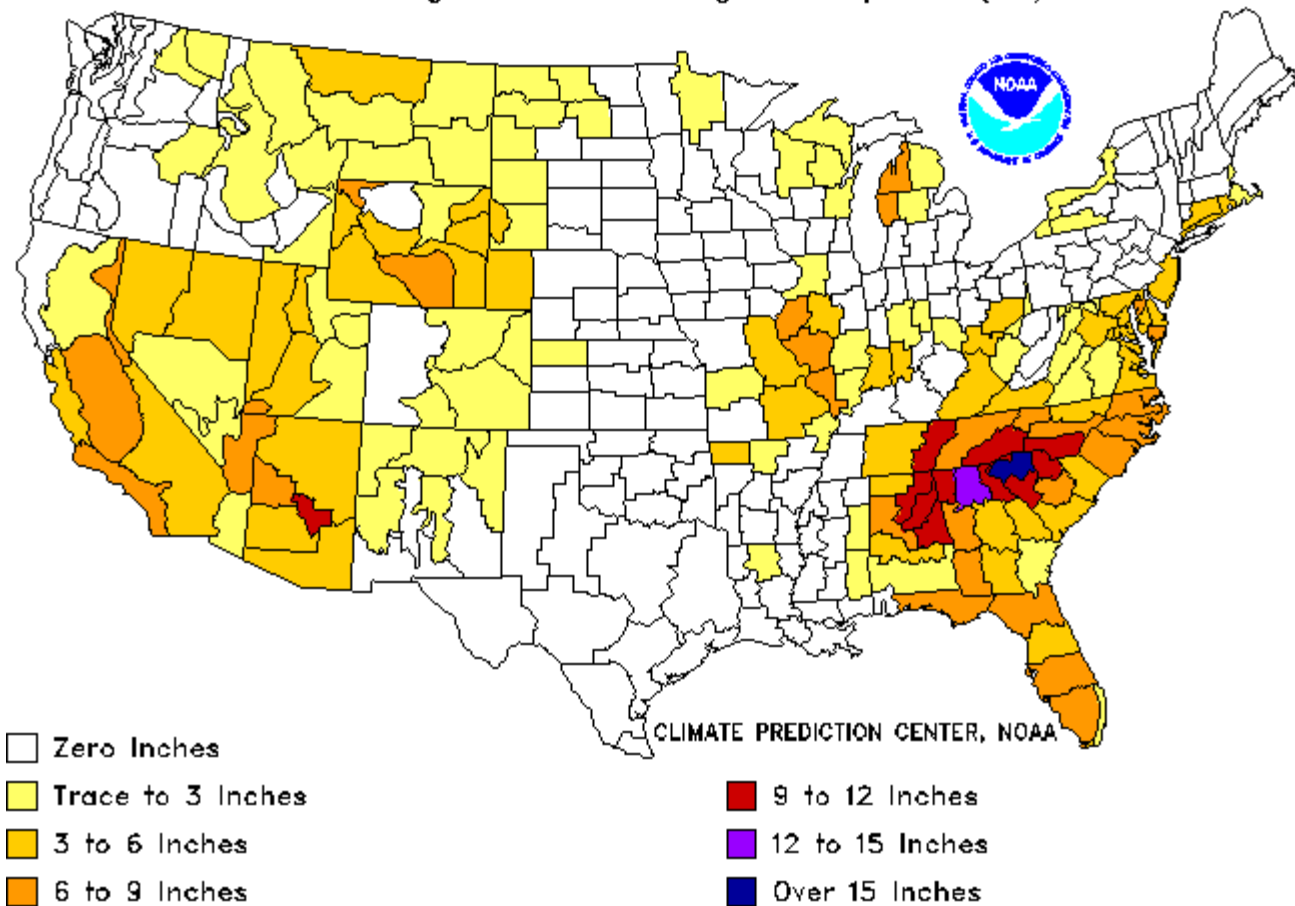
## THE PALMER DROUGHT SEVERITY INDEX

The Palmer Index uses temperature and rainfall information in a formula to determine dryness. The advantage of the Palmer Index is that it is standardized to local climate.

## Additional Precip. Needed (In.) to Bring PDI to -0.5

Weekly Value for Period Ending 24 NOV 2007

Long Term Palmer Drought Severity Index (PDI)



This is the amount of rainfall required in a week's time to bring the index back to zero inches required.